

PRESS RELEASE

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Automated into the future: Efficient intralogistics with the ActiveShuttle

The autonomous transport system automates and standardizes the flow of material and goods in the logistics and manufacturing sector.

- ▶ Thanks to Plug & Go, it can be implemented quickly and easily, without adapting the existing factory infrastructure
- ▶ Robust and safe overall system designed for 24/7 continuous use
- ▶ Fully automated feeding-in of transport orders via third-party systems



The ActiveShuttle ensures an economical and optimized flow of material and goods in the logistics and manufacturing sector.

The intralogistics of manufacturing companies are faced with new challenges: Individualized products require an increasing variety of components, and at the same time, production numbers fluctuate while pressure from the competition mounts. Autonomous transport systems can give intralogistics the necessary flexibility and transparency. With the ActiveShuttle, Bosch Rexroth is now ringing in a new era of autonomous transport systems. The system promises robust, efficient and fully automated transport of loads up to 260 kg. At the same time, the ActiveShuttle Management System ensures optimum control of the overall system and more transparency in intralogistics.

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The ActiveShuttle autonomous transport system is already making the transition to the factory of the future possible today. It transports dollies that are loaded with Small Load Carriers (SLC) through the factory with a high degree of flexibility and safety. The dollies are loaded and unloaded fully automatically with the help of an integrated lifting platform that takes into account the logistical requirements. In addition, the ActiveShuttle can be used to implement a wide range of transport concepts – from cyclic transports to consumption-based material supply.

All set with Plug & Go

The autonomous transport system can be quickly and easily integrated into intralogistics via Plug & Go, without having to adapt the factory's existing infrastructure. The certified safety laser scanners in conjunction with the ActiveShuttle Management System ensure completely safe and robust navigation in mixed operation. Even when other transport vehicles are in use at the same time and when people are present, the vehicle fits seamlessly into the busy intralogistics environment.

Changes in the transport environment are not a problem for the ActiveShuttle thanks to automatic map updates. Transportation has already been extensively tested in eight plants.

Flexible order and fleet management with the ActiveShuttle Management System

The ActiveShuttle Management System (AMS) efficiently handles the control of an entire vehicle fleet. Upcoming transport requests can be fed in manually or also fully automatically via third-party systems thanks to the existing interfaces. In addition, all transport orders and transport movements are documented so that logistics processes can be further optimized for the user thanks to this transparency.

Availability

The ActiveShuttle can be seen live at the Hannover Messe from April 1 to 5, 2019. The first customer applications will be implemented in the second half of this year. The official launch is scheduled for the 4th quarter of 2019.

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As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components, customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, more than 30,500 associates generated sales revenue of 5.5 billion euros in 2017.

To learn more, please visit www.boschrexroth.com

The Bosch Group is a leading global supplier of technology and services. It employs roughly 410,000 associates worldwide (as of December 31, 2018). According to preliminary figures, the company generated sales from operations of 77.9 billion euros in 2018. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to deliver innovations for a connected life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 125 locations across the globe, Bosch employs some 69,500 associates in research and development.

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